Claims

1.-24. (cancelled)

25. (new) A system for operating and monitoring a production process, comprising:

a first mechanism for providing process information data acquired from automation devices or automation systems and/or diagnostic devices or diagnostic systems and/or further devices;

a device for preprocessing and/or representing the acquired process information data for at least one user of the system; and

a historian database for archiving the acquired process information data for evaluating and/or representing the archived process information data.

26. (new) The system as claimed in claim 25, wherein the system is provided for coupling to the automation devices or, as the case may be, systems and/or diagnostic devices or, as the case may be, systems and/or further devices via a data transmission device.

27. (new) The system as claimed in claim 25, wherein the system further comprises a second mechanism for generating alarms and/or events.

28. (new) The system as claimed in claim 25, wherein the system further comprises at least one interface for communicating with at least one client.

29. (new) The system as claimed in claim 28, wherein the client is provided as a web client for communicating via the Internet and/or an intranet.

30. (new) The system as claimed in claim 29, wherein a browser is provided as the web client.

31. (new) The system as claimed in claim 28, wherein the clients are embodied as SCADA clients of the system for operating and monitoring.

32. (new) The system as claimed in claim 28, wherein the clients are embodied as clients that are independent of the system for operating and monitoring.

33. (new) The system as claimed in claim 32, wherein the independent clients are embodied as historian clients having analyzing and/or statistical and/or graphical functionality for evaluating and/or representing the archived process information data.

34. (new) The system as claimed in claim 32, wherein the functionality of the independent clients is integrated in the SCADA clients of the system for operating and monitoring.

35. (new) The system as claimed in claim 32, wherein the functionality of the SCADA clients is integrated in the independent clients.

36. (new) The system as claimed in claim 32, wherein the functionality of the clients is integrated in standard applications.

37. (new) The system as claimed in claim 25, wherein the database is adapted for fast and/or central archiving of the acquired process information data.

38. (new) The system as claimed in claim 37, wherein the database is designed as a relational database.

39. (new) The system as claimed in claims 37, wherein access to the database is provided by SQL queries via standard interfaces.

40. (new) The system as claimed in claim 25, wherein the process information data archived in the database is provided for accessing by clients communicating with the system.

41. (new) The system as claimed in claim 39, wherein Remoting of the standard interfaces of the database is provided.

42. (new) The system as claimed in claim 25, wherein the system and the clients are provided for bi-directional web communication.

43. (new) The system as claimed in claim 25, wherein the clients are provided for entering specifications and/or setpoint values for controlling the production process.

44. (new) The system as claimed in claim 25, wherein the system for operating and monitoring is provided for managing users of the system and/or for planning process communication and/or a security system.

45. (new) The system as claimed in claim 25, wherein the system for operating and monitoring is of redundant design, with redundancy also existing for independent clients.

46. (new) The system as claimed in claim 25, further

comprising at least one multiplexer component for concealing a redundancy and/or a plurality of data servers.

47. (new) A database for archiving acquired process information data for evaluating and/or representing the filed process information data, wherein the database being provided for integration in a system for operating and monitoring of a production process as claimed in claim 25.

48. (new) A computer program product for operating and monitoring a production process by a system as claimed in claim 25.